

CLAIMS

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Thermoplastic polyester compositions not comprising polycarbonate, which comprise, by weight:

- 5 (i) a thermoplastic polyester;
- (ii) an impact modifier comprising:
 - (a) a core-shell copolymer (A);
 - (b) an ethylene copolymer (B) ^{Selected} ~~chosen~~ from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
- 10 (iii) the (B)/(A) ratio being between 90/10 and 25/75 for proportions of impact modifier between 2 and 40% in 98 to 60% of polyester, respectively, and advantageously between 5 and 40% in 95 to 60% of polyester, respectively;
- 15 (iv) the (B)/(A) ratio being between 25/75 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively.

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20 ^{Selected} ~~chosen~~ 2 Compositions according to Claim 1, ^{wherein} ~~in which~~ the polyester is chosen from PET and PBT.

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3 Compositions according to Claim 1 ~~or 2~~, comprising up to 30 parts by weight of copolyetherester per 100 parts of thermoplastic polyester.

4 Compositions according to ^{Claim 1, wherein} ~~any one of the preceding claims,~~ ~~in which~~ the copolymer (A) comprises an elastomer core and at least one thermoplastic shell.

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5 Compositions according to ^{Claim 1, wherein} ~~any one of the preceding claims,~~ ~~in which~~ the copolymers (B1) are ethylene-alkyl (meth)acrylate-maleic anhydride copolymers which comprise from 0.2 to 10% by weight of maleic

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anhydride and from 0 to 40%, preferably 5 to 40%, by weight of alkyl (meth)acrylate.

6 Compositions according to ^{Claim, wherein} ~~any one of Claims 1 to 4~~, in which
5 the ethylene-unsaturated epoxide copolymers (B2) are ethylene-alkyl (meth)acrylate-unsaturated epoxide copolymers obtained by copolymerization of the monomers and contain from 0 to 40% by weight of alkyl (meth)acrylate and up to 10% by weight of unsaturated epoxide.

10 7 Compositions according to ^{Claim, wherein} ~~any one of the preceding claims~~, in which the proportions of (A) and (B) are such that the (B)/(A) ratio is between 90/10 and 70/30 and comprising up to 30 parts of polycarbonate per 100 parts of polyester.

15 8 Compositions according to ^{Claim} ~~any one of the preceding claims~~, comprising, per 100 parts by weight, 75 to 95 parts of polyester for 25 to 5 parts of impact modifier, respectively.

9 Impact-modifier compositions comprising:

- 20 (a) a shell-core copolymer (A);
- (b) an ethylene copolymer (B) ^{Selected} ~~chosen~~ from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
- the (B)/(A) ratio being between 90/10 and 25/75 for proportions of impact modifier between 2 and 40% in 98 to 60% of polyester, respectively, and advantageously between 5, and 40% in 95 to 60% of polyester, respectively;
- 25 • the (B)/(A) ratio being between 25/75 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester,
- 30 respectively.

Add A6

Add B3

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